(No Model.)

S. T. SMITH.

INKING PAD.

No. 414,848. Patented Nov. 12, 1889.

Fig. 1.

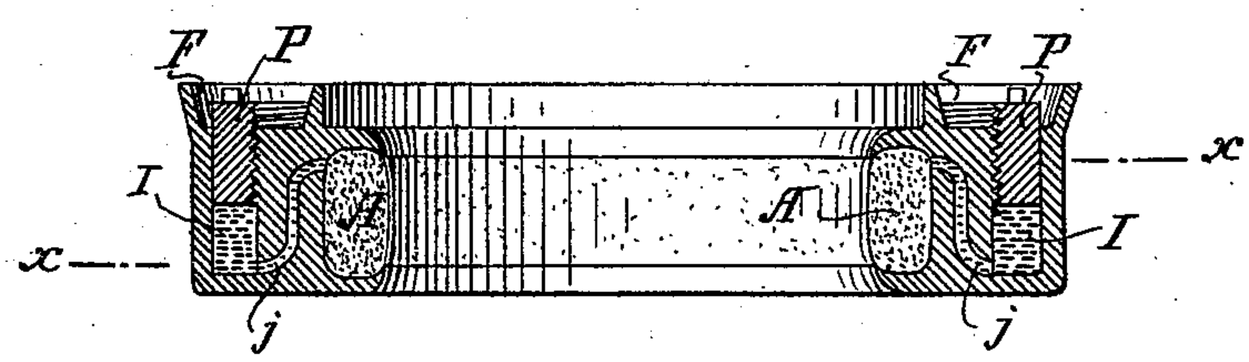
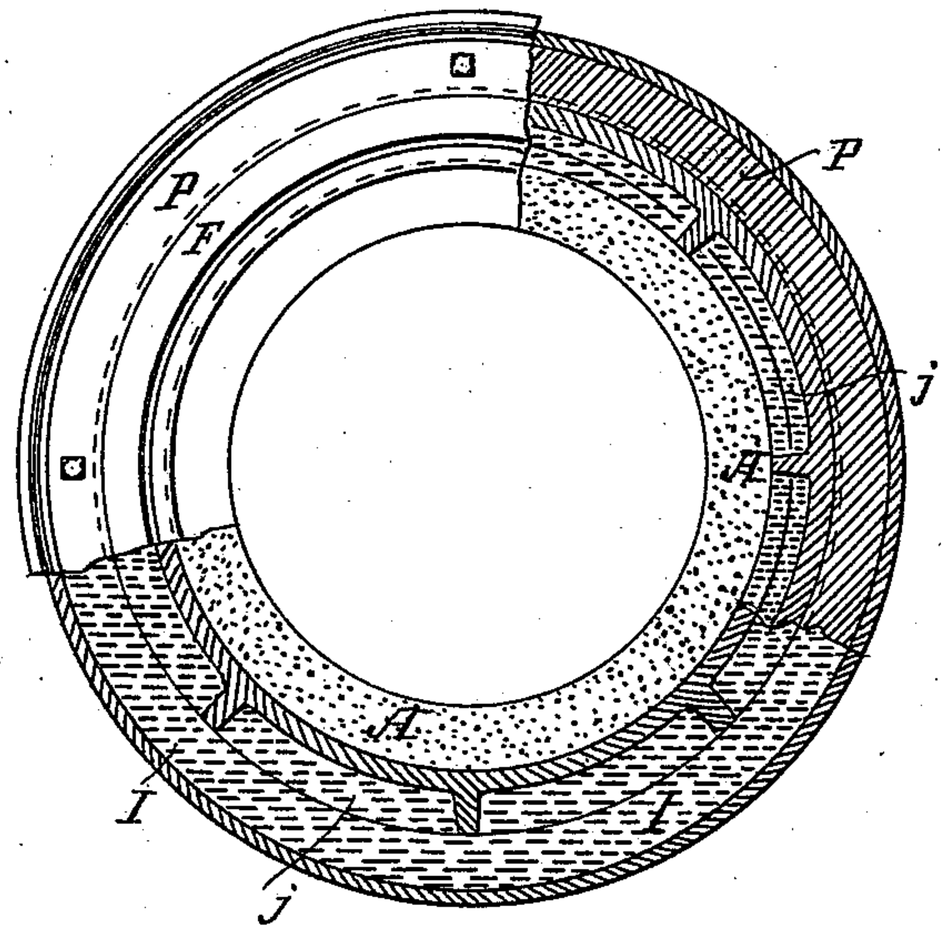


Fig. 2.



Witnesses.

Samuel Hayrett

Joseph Rotino

Inventor.

Stephen T. Smith

per Charles Raetig

his Atty

UNITED STATES PATENT OFFICE.

STEPHEN T. SMITH, OF BROOKLYN, NEW YORK.

INKING-PAD.

SPECIFICATION forming part of Letters Patent No. 414,848, dated November 12, 1889.

Application filed March 22, 1889. Serial No. 304,338. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN T. SMITH, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Inking-Pads, of which the following is a specification.

My invention relates to type-writing machines, printing-presses, and similar machines; and the object of my invention is to provide a durable inking-pad which will retain sufficient quantity of ink to suit the requirements of the case and yet gradually supply the ink used from a connected well, so as to last for a longer period of time, thus prolonging the time before a renewal is required.

In type-writing machines in use at present which use inking-pads the type-bars are generally arranged in a circle, and the pads, therefore, must take a corresponding shape, so as to be in contact with the type while the levers are at rest. Another element of importance is the consistency of the ink, as different wells and feeding methods will be required for heavy or for free flowing ink.

The inking-pad shown in the accompanying drawings is intended to be used for heavy-flowing ink and circular type-bar arrangement.

In the accompanying drawings, Figure 1 is a sectional view of the inking-pad. Fig. 2 is a plan view, partially in section, of Fig. 1.

The principal features in this invention consist in an ink-basin I in shape of a hollow cylinder, into which a tightly-fitting annular cylinder or pressure-piston P, with screw-thread cut on cylindrical surface, is free to move upward or downward, and in the latter case will press the ink through the channels *j*, leading from the bottom of the ink-basin I to the top of the ink-cushion A, and from there gradually diffuse the entire cushion. To prevent an overflow in case the piston should get too much play after long use, an annular funnel F is arranged on the top of the casing large enough to receive the overflow ink, which will easily return in time when the piston P is removed for the purpose of refilling the basin I with ink. The cushion A in this case should consist of spongy porous matter covered by fine fabric at the inner exposed surface at the places which are in contact with the type-bars, also any suitable fibrous fabric sufficiently porous will serve the purpose.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In an inking-pad, the combination of an annular casing having the ink-basin I, the channels *j*, and the funnel F, with the annular piston T and cushion A, as and for the purposes herein shown and set forth.

Signed at New York, in the county of New York and State of New York, this 6th day of March, A. D. 1889.

STEPHEN T. SMITH. [L. S.]

Witnesses:
H. L. MACADAM,
AUGUST C. CHRISTENSEN.